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INFORMATION DISCLOSURE STATEMENT

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	AS	1	Ariel, M., et al., "Gamete-specific methylation correlates with imprinting of the murine Xist gene," Nat. Genet. 9:312-315, Nature Publishing Group (1995)					
	AT	<u>1</u>	Bachman, K.E., et al., "Dnmt3a and Dnmt3b Are Transcriptional Repressors That Exhibit Unique Localization Properties to Heterochromatin," J. Biol. Chem. 276:32282-32287, The American Society for Biochemistry and Molecular Biology, Inc. (August 2001)					
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	AS	<u>2</u>		Bestor, T., et al., "Cloning and Sequencing of a cDNA Encoding DNA Methyltransferase of Mouse Cells," <i>J. Mol. Biol. 203</i> :971-983, Academic Press (1988)					
	AT	2	Bestor, T.H., "Activation of mammalian DNA methyltransferase by cleavage of a Zn binding regulatory domain," <i>EMBO J. 11:2611-2617</i> , Oxford University Press (1992)						
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amb	AR	3	Brandeis, M. with imprint Press (1993)	, et al., "1 ed genes in	The ontogeny of allel the mouse," EMBO J.	le-specific 12:3669-367	methylation 7, Oxford U	associated niversity	
	AS	<u>3</u>	imprinting,"	Brockdorff, N., "Convergent themes in X chromosome inactivation and autosomal imprinting," in <i>Genomic Imrinting</i> , Reik, W., and Surani, A., eds., Oxford University Press, Oxford, UK, pp. 191-210 (December 1997)					
	АТ	3	Chaillet, J.R., et al., "Parental-Specific Methylation of an Imprinted Transgene in Established during Gametogenesis and Progressively Changes during Embryogenesis," Cell 66:77-83, Cell Press (1991)						
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auh	AR	Chen, T., et al., "A Novel Dnmt3a Isoform Produced from an Alternative Promoter Localizes to Euchromatin and Its Expression Correlates with Active de Novo Methylation," J. Biol. Chem. 277:38746-38754, The American Society for Biochemistry and Molecular Biology, Inc. (October 2002)						
	AS	<u>4</u>	Cheng, X., "Structure and function of DNA methyltransferases," Annu. Rev. Biophys. Biomol. Struct. 24:293-318, Annual Reviews, Inc. (1995)					
	АТ	4	Finnegan, E.J., and Dennis, E.S., "Isolation and identification by sequence homology of a putative cytosine methyltransferase from Arabidopsis thaliana," Nucl. Acids Res. 21:2383-2388, Oxford University Press (1993)					
EXAMINER	W	Hu	arris			DATE	CONSIDERED &	7/27/07

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FORM PTO-1449

ATTY. DOCKET NO. 09/720,086 0609.4560002/JAG/KRM/DJN

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	AS	<u>5</u>	Flynn, J., e Methyltransfe	Flynn, J., et al., "DNA Binding Discrimination of the Murine DNA Cytosine-C ⁵ Methyltransferase," <i>J. Mol. Biol. 279</i> :101-116, Academic Press (May 1998)					
	АТ	<u>5</u>	Hata, K., et al., "Dnmt3L cooperates with the Dnmt3 family of de novo DNA methyltransferases to establish maternal imprints in mice," Develop. 129:1983-1993, Company of Biologists Ltd. (April 2002)						
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INFORMATION DISCLOSURE STATEMENT

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	AS,	<u>6</u>	Jentsch, S., et al., "DNA methyltransferases affecting the sequence 5'CCGG," Nucl. Acids Res. 9:2753-2759, IRL Press (1981)					
	АТ	<u>6</u>	Jones, P.A., and Gonzalgo, M.L., "Altered DNA methylation and genome instability: A new pathway to cancer?," <i>Proc. Natl. Acad. Sci. USA 94</i> :2103-2105, National Academy of Sciences (March 1997)					
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0609.4560002/JAG/KRM/DJN	APPLICATION NO. 09/720,086			
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auch	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Klimašauskas, S., et al., "The sequence specificity domain of cytosine-C5 methylases," Nucl. Acids Res. 19:6183-6190, IRL Press at Oxford University Press (1991)								
	AS	7	Kumar, S., et al., "The DNA (cytosine-5) methyltransferases," Nucl. Acids Res. 22:1-10, Oxford University Press (1994)						
	AT	7	Laird, P.W., and Jaenisch, R., "The Role of DNA Methylation in Cancer Genetics and Epigenetics," Annu. Rev. Genet. 30:441-464, Annual Reviews Inc. (1996)						
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АТ	8	Leonhardt, H., et al., "A Targeting Sequence Directs DNA Methyltransferase Sites of DNA Replication in Mammalian Nuclei," Cell 71:865-873, Cell Press (1992)					
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	Malagnac, F., et al., "A Gene Essential for De Novo Methylation and Developmer in Ascobolus Reveals a Novel Type of Eukaryotic DNA Methyltransferase Structure," Cell 91:281-290, Cell Press (October 1997)						i Development	
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	AS	Pradhan, S., et al., "Baculovirus-mediated expression and characterization of the full-length murine DNA methyltransferase," Nucl. Acids Res. 25:4666-4673, Oxford University Press (November 1997)						
	Qu, GZ., et al., "Satellite DNA hypomethylation vs. overall genomic hypomethylation in ovarian epithelial tumors of different malignant potential, Mutat. Res. 423:91-101, Elsevier Science (January 1999)					mic t potential,"		
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INFORMATION DISCLOSURE STATEMENT

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	AS	12	Reid, G.K., et al., "Selective inhibition of DNA methyltransferase enzymes as a novel strategy for cancer treatment," Curr. Opin. Mol., Ther. 4:130-137, Current Drugs (April 2002)					
\bigvee	Robertson, K.D., et al., "The human DNA methyltransferases (DNMTs) 1, 3a and 3b: coordinate mRNA expression in normal tissues and overexpression in tumors Nucl. Acids Res. 27:2291-2298, Oxford University Press (June 1999)						1, 3a and n in tumors,"	
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APPLICATION NO. 09/720,086 ATTY. DOCKET NO. 0609.4560002/JAG/KRM/DJN APPLICANT

Li et al.

102(e) GROUP 1162

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amh	AR	13	Stöger, R.,	et al., "M fies the E	aternal-Specific M	ethylatio	on of t	he Imprinted	
	AS	13	Szyf, M., et al., "Induction of Myogenic Differentiation by an Expression Vector Encoding the DNA Methyltransferase cDNA Sequence in the Antisense Orientation," J. Biol. Chem. 267:12831-12836, The American Society for Biochemistry and Molecular Biology, Inc. (1992)						
	AT	13	Szyf, M., and Detich, N., "Regulation of the DNA Methylation Machinery and Its Role in Cellular Transformation," in <i>Progress in Nucleic Acid Research and Molecular Biology</i> , Moldave, K., ed., Academic Press, San Diego, CA, pp. 47-79 (August 2001)						
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ATTY. DOCKET NO. 0609.4560002/JAG/KRM/DJN APPLICATION NO. 09/720,086

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INFORMATION DISCLOSURE STATEMENT

Li et al. 102(e)

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anh	AR	14			"DNA Methyltransfer; 5:239-247, Wiley-Lis			Drumt ⁿ Mouse
	AS	14			"A paternal-specif: 19 gene," <i>Nat. Genet</i>			
	AT	14	methylation	and express	Germ-line passage is sion patterns of impo o. 10:1008-1020, Colo	rinted but no	t of nonimp	rinted
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	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)								
anh	AR	<u>15</u>	Yen, RW. C., et al., "Isolation and Characterization of the cDNA encoding						
	AS	<u>15</u>	Yoder, J.A., and Bestor, T.H., "A candidate mammalian DNA methyltransferase related to pmtlp of fission yeast," <i>Hum. Mol. Genet.</i> 7:279-284, Oxford University Press (February 1998)						
,	АТ	<u>15</u>	Zuccotti, M., and Monk, M., "Methylation of the mouse Xist gene in sperm and eggs correlates with imprinted Xist expression and paternal X-inactivation," Nat. Genet. 9:316-320, Nature Publishing Group (1995)						
EXAMINER	(M	M	Jarry			DATE	CONSIDERED &	7/27/07	

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ATTY. DOCKET NO. 0609.4560002/JAG/KRM/DJN	APPLICATION NO. 09/720,086			
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INFORMATION DISCLOSURE STATEMENT

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and	AR 16 International Search Report for International Application No. PCT/US99/14373, mailed December 10, 1999, European Patent Office, Netherlands								
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